

Special Issue

Symmetry and Nonlinearity in Optics

Message from the Guest Editors

Many papers have recently discussed nonlinearities and symmetries in the context of quantum information theory and quantum computing. On the other hand, the problems related to various optical systems and applications are strongly related to the symmetries hidden in such systems. Previously, PT-symmetric models described by non-Hermitian Hamiltonians have been the subject of many papers.

We cordially invite all colleagues involved in optical research to submit their original and high-quality contributions that will inspire further research in the field of nonlinearities and symmetries in optics. All kinds of articles—theoretical, experimental, and those concerning applications—are welcome, covering a broad range of topics within various fields of optics.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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